



COUNTY OF SAN DIEGO
Great Government Through the General Management System – Quality, Timeliness, Value
DEPARTMENT OF HUMAN RESOURCES

CLASS SPECIFICATION

CLASSIFIED

AIR POLLUTION TEST TECHNICIAN

Class No. 003842

■ CLASSIFICATION PURPOSE

To perform air pollution laboratory test work related to emission sampling; and to perform related work as required.

■ DISTINGUISHING CHARACTERISTICS

This is a paraprofessional class allocated to the Air Pollution Control District, Engineering and Monitoring Division. Air Pollution Test Technicians typically report to a Senior Air Pollution Chemist. Under general supervision, they are responsible for conducting air pollution laboratory test work related to emission sampling. This class is distinguished from the Air Pollution Control Engineering Technician, in that the latter performs source inspection and evaluation duties.

■ FUNCTIONS

The examples of functions listed in the class specification(s) are representative but not necessarily exhaustive or descriptive of any one position in the class(es). Management is not precluded from assigning other related functions not listed herein if such functions are a logical assignment for the position.

Essential Functions:

1. Conducts sampling and monitoring of emission tests at assigned sites.
2. Operates, calibrates, assembles, lifts, and performs minor services on chemical, electrical, and mechanical air monitoring.
3. Samples instruments and component parts.
4. Conducts tests according to established procedures.
5. Records lab and field data, and prepares reports.
6. Performs standard chemical data tests by hand and/or laboratory tests and reviews/calculates results for accuracy and completeness.
7. Assists in improving and revising test procedures.
8. Provides responsive, high quality service to County employees, representatives of outside agencies and members of the public by providing accurate, complete and up-to-date information, in a courteous, efficient and timely manner.

■ KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of:

- Methods of operating, calibrating, assembling, and monitoring various types of air pollution sampling and measuring equipment, and instruments.
- Air pollution terminology.
- Electronic, chemical, and mechanical principles related to field-testing.
- Procedures and methods involved in monitoring, sampling, and analyzing air pollution.
- Safety methods appropriate to laboratory and industrial sites.
- County customer service objectives and strategies.

Skills and Abilities to:

- Maintain and prepare records and reports related to air sample tests.
- Interpret and calculate sampling data.
- Perform basic laboratory and field analyses of paints, solvents, or related samples.
- Recognize and implement solutions to field related operations problems.

- Input data, perform on-line computer calculations, and generate reports.
- Perform mathematical calculations using algebra and calculus.
- Communicate effectively orally and in writing.
- Establish effective working relationships with management, employees, employee representatives and the public representing diverse cultures and backgrounds.
- Treat County employees, representatives of outside agencies and members of the public with courtesy and respect.
- Assess the customer's immediate needs and ensure customer's receipt of needed services through personal service or referral.

■ EDUCATION/EXPERIENCE

Education, training, and/or experience that demonstrate possession of the knowledge, skills and abilities listed above. Examples of qualifying education/experience are:

1. Two (2) years of experience conducting tests of air contaminant samples. The completion of thirty (30) semester units of college level course work in chemistry, physics, engineering, environmental science, or a closely related field may be substituted for one (1) year of the experience requirement stated above, OR
2. Three (3) years of experience in an industrial or public agency operating and assembling reporting equipment and instruments using electrical, mechanical or chemical principles employed in testing air contaminants, OR
3. The possession of a bachelor's degree from an accredited college or university in chemistry, physics, engineering, environmental science, or a closely related field.

■ ESSENTIAL PHYSICAL CHARACTERISTICS

The physical characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of the classification(s). Reasonable accommodation may be made to enable an individual with qualified disabilities to perform the essential functions of a job, on a case-by-case basis.

In order to conduct air emission tests, incumbents may be required to climb ladders, conduct tests at elevated heights, lift and transport equipment, and other objects weighing up to 60 pounds. Frequent: sitting, walking, standing, squatting, repetitive use of hand, simple/power grasping, pushing, pulling, and reaching above and below shoulder level. Occasional: climbing, kneeling, crawling, and twisting of neck and waist.

■ SPECIAL NOTES, LICENSES, OR REQUIREMENTS

License

A valid California class C driver's license, which must be maintained throughout employment in this class, is required at time of appointment, or the ability to arrange necessary and timely transportation for field travel. Employees in this class may be required to use their own vehicle.

Certification/Registration

None Required.

Working Conditions

Incumbents in this class may be exposed to noise of industrial equipment, pumps and compressors. May occasionally be exposed to dust, gas, fumes, or potentially hazardous substances. May perform work involving heights up to 250 feet; some assignments may require the use of protective equipment. Must be able to withstand varying outdoor weather conditions. Must have the ability to lift up to 60 lbs and carry a meter box approximately 100 ft up the stairs.

Background Investigation

Must have a reputation for honesty and trustworthiness. Misdemeanor and/or felony convictions may be disqualifying depending on type, number, severity, and recency. Prior to appointment, candidates will be subject to a background investigation.

Probationary Period

Incumbents appointed to permanent positions in this class shall serve a probationary period of 6 months (Civil Service Rule 4.2.5).

New: February 3, 1987
Revised: April 27, 1993
Revised: May 18, 2004
Revised: June 9, 2004

Air Pollution Test Technician (Class No. 003842)

Union Code: PS

Variable Entry: Y